

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

EPA Region 5 Records Ctr.



393316

PERMIT NO.: 1983-EA-1020

DATE ISSUED: January 7, 1983

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

LOG NUMBERS: 1020-82 (2076-81)

PREPARED BY: Reilly Tar and Chemical Corporation

SUBJECT: REILLY TAR AND CHEMICAL CORPORATION -- Wastewater Treatment Plant --
Granite City

PERMITTEE TO CONSTRUCT OWN AND OPERATE
Reilly Tar and Chemical Corporation
151 North Delaware Street, Suite 1510
Indianapolis, Indiana 46204

Permit is hereby granted to the above designated permittee(s) to construct and/or
operate water pollution control facilities described as follows:

An industrial wastewater treatment facility consisting of a 50,000 gallon primary
settling tank (existing), a 100,000 gallon primary settling tank, two settling pans
with oil skimmers, a 50,000 gallon flow equalization tank with mechanical mixing,
three 250,000 gallon bio-oxidation tanks, two 2,800 gallon rectangular clarifiers and
necessary pumping, piping, and appurtenances to treat a design average flow of 30,000
gpd of wastewater from a coal tar pitch and creosote oil manufacturing operation,
with discharge being to the existing on-site lagoon.

This Operating Permit expires on April 1, 1984.

This Permit is issued subject to the following Special Condition(s). If such Special
Condition(s) require(s) additional or revised facilities, satisfactory engineering
plan documents must be submitted to this Agency for review and approval for issuance
of a Supplemental Permit.

SPECIAL CONDITION 1: Standard Condition No. 1 of this Permit is hereby deleted and
replaced by the following Special Condition:

Unless the construction for which this permit is issued has been completed, this
permit will expire (1) two years after the date of issuance for permits to
construct sewers or wastewater sources, (2) three years after the date of
issuance for permits to construct treatment works or pretreatment works or (3) on
the expiration date specified for a mine-related facility.

Continued on Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED
WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:RE:cb/6076c/1,2
cc: EPA - Region 6
Records Unit
Permit Section
DLPC
111.532-90009
WPC-46 (10/81)

DIVISION OF WATER POLLUTION CONTROL

Thomas G. McSwiggin, P.E.
Manager, Permit Section

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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SUBJECT: REILLY TAR AND CHEMICAL CORPORATION -- Wastewater Treatment Plant --
Granite City

SPECIAL CONDITION 2: The treated effluent from the wastewater treatment plant must be monitored with a minimum of one grab sample taken monthly for the following parameters: pH, phenol, cyanide, mercury, total suspended solids, oil & grease, COD, BOD, and ammonia nitrogen. Results of this sampling must be submitted to the Agency beginning three months after plant start-up, and every three months thereafter.

SPECIAL CONDITION 3: Groundwater must be monitored with a minimum of one sample taken every three months in wells No. 1, 2, 6 & 7 for the following parameters: arsenic, mercury, manganese, phenol, coliform, cyanide, and TOC. Results of this sampling must be submitted to the Agency as set forth in Special Condition No. 2.

SPECIAL CONDITION 4: Sludge must be disposed of at a site and manner acceptable to the Agency.

SPECIAL CONDITION 5: The existing lagoon must be cleaned-up prior to accepting any discharge from the treatment plant. This clean-up must be accomplished by pumping the existing water from the lagoon into the treatment tanks and removing all contaminated soil to a landfill approved to accept the specific waste. The amount of soil removed shall be based on field tests using indicator contaminants and an ultra violet light test procedure. Field Reports of this clean-up shall be submitted to the Agency when complete.

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GRANITE CITY

REILLY TAR AND CHEMICAL CO.

PERMIT NO.: 1983-EA-1020

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT
CORRECTED COPY

DATE ISSUED: January 7, 1983

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS
PREPARED BY: Reilly Tar and Chemical Corporation

LOG NUMBERS: 1020-82

SUBJECT: REILLY TAR AND CHEMICAL CORPORATION -- Wastewater Treatment Plant --
Granite City

RECEIVED

JAN 27 1983

PERMITTEE TO CONSTRUCT OWN AND OPERATE
Reilly Tar and Chemical Corporation
151 North Delaware Street, Suite 1510
Indianapolis, Indiana 46204

E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Permit is hereby granted to the above designated permittee(s) to construct and/or operate water pollution control facilities described as follows:

An industrial wastewater treatment facility consisting of a 50,000 gallon primary settling tank (existing), a 100,000 gallon primary settling tank, two settling pans with oil skimmers, a 50,000 gallon flow equalization tank with mechanical mixing, three 250,000 gallon bio-oxidation tanks, two 2,800 gallon rectangular clarifiers and necessary pumping, piping, and appurtenances to treat a design average flow of 30,000 gpd of wastewater from a coal tar pitch and creosote oil manufacturing operation, with discharge being to the existing on-site lagoon.

This Operating Permit expires on April 1, 1984.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.

SPECIAL CONDITION 1: Standard Condition No. 1 of this Permit is hereby deleted and replaced by the following Special Condition:

Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources, (2) three years after the date of issuance for permits to construct treatment works or pretreatment works or (3) on the expiration date specified for a mine-related facility.

Continued on Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:RE:cb/6076c/1,2

cc: EPA - Region 6

Records Unit

Permit Section

DLPC

IT1:532-90009

WPC-146 (10/81)

DIVISION OF WATER POLLUTION CONTROL

Thomas G. McSwiggin, P.E.
Manager, Permit Section

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SPECIAL CONDITION 3: Groundwater must be monitored with a minimum of one sample taken every three months in wells No. 1, 2, 6 & 7 for the following parameters: arsenic, mercury, manganese, phenol, coliform, cyanide, and TOC. Results of this sampling must be submitted to the Agency as set forth in Special Condition No. 2.

SPECIAL CONDITION 4: Sludge must be disposed of at a site and manner acceptable to the Agency.

SPECIAL CONDITION 5: The existing lagoon must be cleaned-up in accordance with the plan outlined in the November 24, 1982 letter from Reilly Tar and Chemical Corporation. ~~This clean-up must be accomplished by pumping the existing water from the lagoon into the treatment tanks and removing all contaminated soil to a landfill approved to accept the specific waste. The amount of soil removed shall be based on field tests using indicator contaminants and an ultra violet light test procedure. Field Reports of this clean-up shall be submitted to the Agency when complete.~~